

# Bo Yang

## List of Publications by Year in descending order

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198  
papers

8,068  
citations

53751

45  
h-index

74108

75  
g-index

203  
all docs

203  
docs citations

203  
times ranked

8536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing the adsorption function of F- by iron and zirconium doped zeolite: Characterization and parameter optimization. <i>Environmental Engineering Research</i> , 2023, 28, 220010-0.	1.5	2
2	The Current Status of Hazardous Waste Management in China: Identification, Distribution, and Treatment. <i>Environmental Engineering Science</i> , 2022, 39, 81-97.	0.8	12
3	High-hydrophilic and antifouling reverse osmosis membrane prepared based an unconventional radiation method for pharmaceutical plant effluent treatment. <i>Separation and Purification Technology</i> , 2022, 280, 119838.	3.9	18
4	Nickel dual-atom catalysts for the selective electrocatalytic debromination of tribromoacetic acid as a green chemistry process. <i>Chemical Engineering Journal</i> , 2022, 427, 131719.	6.6	24
5	Activated carbon modified with nano manganese dioxide triggered electron transport pathway changes for boosted anaerobic treatment of dyeing wastewater. <i>Environmental Research</i> , 2022, 203, 111944.	3.7	20
6	Activation of sodium persulfate by TiO <sub>2</sub> @MIL-101(Fe): Boosting the Fenton-like process by interfacial charge transfer. <i>Chemosphere</i> , 2022, 288, 132666.	4.2	15
7	A novel membrane-promoted crystallization process integrating water recovery and salt production for brine management. <i>Chemical Engineering Journal</i> , 2022, 430, 133022.	6.6	8
8	Iron-based biochar derived from waste-activated sludge enhances anaerobic digestion of synthetic salty organic wastewater for methane production. <i>Bioresource Technology</i> , 2022, 345, 126465.	4.8	33
9	Honeycomb-like holey Co <sub>3</sub> O <sub>4</sub> membrane triggered peroxymonosulfate activation for rapid degradation of organic contaminants. <i>Science of the Total Environment</i> , 2022, 814, 152698.	3.9	36
10	Electro-oxidation of Ni (II)-citrate complexes at BDD electrode and simultaneous recovery of metallic nickel by electrodeposition. <i>Journal of Environmental Sciences</i> , 2022, 116, 103-113.	3.2	24
11	Batch sorption and fixed-bed elution for Pd recovery using stable amine-functionalized melamine sponge. <i>Journal of Cleaner Production</i> , 2022, 337, 130475.	4.6	9
12	Zero valent boron activated ozonation for ultra-fast degradation of organic pollutants: Atomic orbital matching, oxygen spillover and intra-electron transfer. <i>Chemical Engineering Journal</i> , 2022, 434, 134674.	6.6	13
13	Isolation of Anaerobic Bromate-Reducing Bacteria Using Different Carbon Sources and Transcriptomic Insights From <i>Klebsiella variicola</i> Glu3. <i>Frontiers in Microbiology</i> , 2022, 13, 851844.	1.5	2
14	Enhanced bacterial inactivation by activated carbon modified with nano-sized silver oxides: Performance and mechanism. <i>Journal of Environmental Management</i> , 2022, 311, 114884.	3.8	2
15	Copper single-atom catalyst as a high-performance electrocatalyst for nitrate-ammonium conversion. <i>Journal of Hazardous Materials</i> , 2022, 434, 128892.	6.5	34
16	Separation of Fe from wastewater and its use for NO <sub>x</sub> reduction; a sustainable approach for environmental remediation. <i>Chemosphere</i> , 2022, 303, 135103.	4.2	11
17	Angstrom-confined catalytic water purification within Co-TiO <sub>x</sub> laminar membrane nanochannels. <i>Nature Communications</i> , 2022, 13, .	5.8	97
18	Utilization of electrochemical treatment and surface reconstruction to achieve long lasting catalyst for NO <sub>x</sub> removal. <i>Journal of Hazardous Materials</i> , 2021, 401, 123440.	6.5	21

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19	Application of central composite design to reveal resin deterioration during the removal of hexavalent chromium from wastewater. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 298-305.	1.2	1
20	Recovery phosphate and ammonium from aqueous solution by the process of electrochemically decomposing dolomite. <i>Chemosphere</i> , 2021, 262, 128357.	4.2	8
21	Sea urchin-like FeOOH functionalized electrochemical CNT filter for one-step arsenite decontamination. <i>Journal of Hazardous Materials</i> , 2021, 407, 124384.	6.5	26
22	Occurrence and removal of bisphenol analogues in wastewater treatment plants and activated sludge bioreactor. <i>Science of the Total Environment</i> , 2021, 758, 143606.	3.9	42
23	Noble metal-free NiCo <sub>2</sub> S <sub>4</sub> /CN sheet-on-sheet heterostructure for highly efficient visible-light-driven photocatalytic hydrogen evolution. <i>Journal of Alloys and Compounds</i> , 2021, 853, 157284.	2.8	26
24	Inductive effect as a universal concept to design efficient catalysts for CO <sub>2</sub> electrochemical reduction: electronegativity difference makes a difference. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4626-4647.	5.2	12
25	Photocatalyst- and additive-free decarboxylative alkylation of <i>N</i> -aryl tetrahydroisoquinolines induced by visible light. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2473-2479.	2.3	23
26	Enhancing the adsorption function of biochar by mechanochemical graphitization for organic pollutant removal. <i>Frontiers of Environmental Science and Engineering</i> , 2021, 15, 1.	3.3	23
27	NiCo-LDH nanosheets strongly coupled with GO-CNTs as a hybrid electrocatalyst for oxygen evolution reaction. <i>Nano Research</i> , 2021, 14, 4783-4788.	5.8	52
28	Phosphate recovery from aqueous solution via struvite crystallization based on electrochemical-decomposition of nature magnesite. <i>Journal of Cleaner Production</i> , 2021, 292, 126039.	4.6	31
29	Broadband Structured Light Multiplexing With Dielectric Meta-Optics. <i>Journal of Lightwave Technology</i> , 2021, 39, 2830-2836.	2.7	7
30	Separation, anti-fouling, and chlorine resistance of the polyamide reverse osmosis membrane: From mechanisms to mitigation strategies. <i>Water Research</i> , 2021, 195, 116976.	5.3	90
31	Recent advances in hybrid wet scrubbing techniques for NO <sub>x</sub> and SO <sub>2</sub> removal: State of the art and future research. <i>Chemosphere</i> , 2021, 273, 129695.	4.2	45
32	Core-shell ZVI@carbon composites reduce phosphate inhibition of ZVI dissolution and enhance methane production in an anaerobic sewage treatment. <i>Water Research</i> , 2021, 199, 117197.	5.3	21
33	Species and formation characteristics of halogenated DBPs in chloramination of tannic acid after biodegradation. <i>Science of the Total Environment</i> , 2021, 781, 146690.	3.9	8
34	Recent innovations for scaling up microbial fuel cell systems: Significance of physicochemical factors for electrodes and membranes materials. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 129, 207-226.	2.7	39
35	Targeted degradation of refractory organic compounds in wastewaters based on molecular imprinting catalysts. <i>Water Research</i> , 2021, 203, 117541.	5.3	36
36	Thermally activated epoxy-functionalized carbon as an electrocatalyst for efficient NO <sub>x</sub> reduction. <i>Carbon</i> , 2021, 182, 516-524.	5.4	16

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37	Phylogenetically divergent bacteria consortium from neutral activated sludge showed heightened potential on bioleaching spent lithium-ion batteries. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112592.	2.9	11
38	Photocatalyst and additive-free visible light induced trifluoromethylation-arylation of <i>N</i> -arylacrylamides with Umemoto's reagent. <i>Chemical Communications</i> , 2021, 57, 1030-1033.	2.2	27
39	Co-precipitation with CaCO <sub>3</sub> to remove heavy metals and significantly reduce the moisture content of filter residue. <i>Chemosphere</i> , 2020, 239, 124660.	4.2	34
40	Biological removal of pharmaceuticals by <i>Navicula</i> sp. and biotransformation of bezafibrate. <i>Chemosphere</i> , 2020, 240, 124949.	4.2	35
41	Titania-Montmorillonite for the Photocatalytic Removal of Contaminants from Water: Adsorb & Shuttle Process. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 291-319.	0.3	13
42	Electrochemical oxidation of perfluorooctane sulfonate (PFOS) substitute by modified boron doped diamond (BDD) anodes. <i>Chemical Engineering Journal</i> , 2020, 379, 122280.	6.6	82
43	Peroxymonosulfate enhanced photoelectrocatalytic degradation of ofloxacin using an easily coated cathode. <i>Separation and Purification Technology</i> , 2020, 236, 116301.	3.9	41
44	Nitrogen-doped porous carbon derived from foam polystyrene as an anode material for lithium-ion batteries. <i>Applied Surface Science</i> , 2020, 504, 144398.	3.1	36
45	Developing an equivalent toxicity area approach to comparing toxicity of urban road deposited sediments. <i>Environmental Pollution</i> , 2020, 257, 113588.	3.7	6
46	Algal toxicity, accumulation and metabolic pathways of galaxolide. <i>Journal of Hazardous Materials</i> , 2020, 384, 121360.	6.5	20
47	Selenium(VI) and copper(II) adsorption using polyethyleneimine-based resins: Effect of glutaraldehyde crosslinking and storage condition. <i>Journal of Hazardous Materials</i> , 2020, 386, 121637.	6.5	67
48	Enhanced photocatalytic hydrogen evolution under visible light irradiation by p-type MoS <sub>2</sub> /n-type Ni <sub>2</sub> P doped g-C <sub>3</sub> N <sub>4</sub> . <i>Applied Surface Science</i> , 2020, 504, 144448.	3.1	42
49	Photocatalyst- and transition-metal-free $\alpha$ -allylation of <i>N</i> -aryl tetrahydroisoquinolines mediated by visible light. <i>Green Chemistry</i> , 2020, 22, 646-650.	4.6	35
50	Characterizing community dynamics and exploring bacterial assemblages in two activated sludge systems. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1795-1808.	1.7	11
51	Facile one-pot synthesis of mesoporous g-C <sub>3</sub> N <sub>4</sub> nanosheets with simultaneous iodine doping and N-vacancies for efficient visible-light-driven H <sub>2</sub> evolution performance. <i>Catalysis Science and Technology</i> , 2020, 10, 549-559.	2.1	39
52	NiMn compound nanosheets for electrocatalytic water oxidation: effects of atomic structures and oxidation states. <i>Nanoscale</i> , 2020, 12, 2472-2478.	2.8	17
53	Ultra-rapid detoxification of Sb(III) using a flow-through electro-fenton system. <i>Chemosphere</i> , 2020, 245, 125604.	4.2	21
54	Comparative cytotoxicity of halogenated aromatic DBPs and implications of the corresponding developed QSAR model to toxicity mechanisms of those DBPs: Binding interactions between aromatic DBPs and catalase play an important role. <i>Water Research</i> , 2020, 170, 115283.	5.3	94

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55	Highly efficient degradation of 2,2,4,4-tetrabromodiphenyl ether through combining surfactant-assisted ZnO reduction with subsequent Fenton oxidation. <i>Journal of Hazardous Materials</i> , 2020, 385, 121551.	6.5	8
56	One-step phosphite removal by an electroactive CNT filter functionalized with TiO <sub>2</sub> /CeO <sub>x</sub> nanocomposites. <i>Science of the Total Environment</i> , 2020, 710, 135514.	3.9	17
57	Investigating toxicity of urban road deposited sediments using Chinese hamster ovary cells and <i>Chlorella Pyrenoidosa</i> . <i>Chemosphere</i> , 2020, 245, 125634.	4.2	8
58	Convenient one-step fabrication and morphology evolution of thin-shelled honeycomb-like structured g-C <sub>3</sub> N <sub>4</sub> to significantly enhance photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2020, 506, 145004.	3.1	22
59	One-step Sb(III) decontamination using a bifunctional photoelectrochemical filter. <i>Journal of Hazardous Materials</i> , 2020, 389, 121840.	6.5	37
60	Rapid decontamination of tetracycline hydrolysis product using electrochemical CNT filter: Mechanism, impacting factors and pathways. <i>Chemosphere</i> , 2020, 244, 125525.	4.2	40
61	Comparison of pollutant source tracking approaches: Heavy metals deposited on urban road surfaces as a case study. <i>Environmental Pollution</i> , 2020, 266, 115253.	3.7	13
62	Toxicity and biotransformation of bisphenol S in freshwater green alga <i>Chlorella vulgaris</i> . <i>Science of the Total Environment</i> , 2020, 747, 141144.	3.9	22
63	Toxicity variability of urban road stormwater during storage processes in Shenzhen, China: Identification of primary toxicity contributors and implications for reuse safety. <i>Science of the Total Environment</i> , 2020, 745, 140964.	3.9	11
64	Selective chelating precipitation of palladium metal from electroplating wastewater using chitosan and its derivative. <i>Adsorption Science and Technology</i> , 2020, 38, 113-126.	1.5	17
65	C <sub>3</sub> N <sub>4</sub> modified with single layer ZIF67 nanoparticles for efficient photocatalytic degradation of organic pollutants under visible light. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1894-1905.	6.9	46
66	Synthesis of magnetic recoverable electron-rich TCTA@PVP based conjugated polymer for photocatalytic water remediation and disinfection. <i>Separation and Purification Technology</i> , 2020, 250, 116954.	3.9	29
67	Design of a 0D/3D MoS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> composite for boosting the efficient separation of photogenerated carriers with enhanced visible-light-driven H <sub>2</sub> evolution. <i>RSC Advances</i> , 2020, 10, 19169-19177.	1.7	18
68	Engineering 3D electron and ion transport channels by constructing sandwiched holey quaternary metal oxide nanosheets for high-performance flexible energy storage. <i>Science China Materials</i> , 2020, 63, 1719-1730.	3.5	7
69	Visible light responsive photoactive polymer supported on carbonaceous biomass for photocatalytic water remediation. <i>Journal of Cleaner Production</i> , 2020, 269, 122286.	4.6	34
70	Nanocapsulation of horseradish peroxidase (HRP) enhances enzymatic performance in removing phenolic compounds. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 814-822.	3.6	45
71	Quantitative source tracking of heavy metals contained in urban road deposited sediments. <i>Journal of Hazardous Materials</i> , 2020, 393, 122362.	6.5	59
72	A Bifunctional Electroactive TiO <sub>2</sub> -Based Membrane System for Highly Efficient Ammonia Decontamination. <i>Catalysts</i> , 2020, 10, 383.	1.6	5

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73	CuO NPs incorporated into electron-rich TCTA@PVP photoactive polymer for the photocatalytic oxidation of dyes and bacteria inactivation. <i>Journal of Water Process Engineering</i> , 2020, 36, 101238.	2.6	11
74	Electrochemical sensor based on ZIF-8@dimethylglyoxime and $\beta$ -cyclodextrin modified reduced graphene oxide for nickel (II) detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128091.	4.0	32
75	Pb-Based Perovskite Solar Cells and the Underlying Pollution behind Clean Energy: Dynamic Leaching of Toxic Substances from Discarded Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2812-2817.	2.1	84
76	Broadband graphene-on-silicon modulator with orthogonal hybrid plasmonic waveguides. <i>Nanophotonics</i> , 2020, 9, 1529-1538.	2.9	19
77	Black phosphorus (BP)@graphene guided-wave surface plasmon resonance (GWSPR) biosensor. <i>Nanophotonics</i> , 2020, 9, 4265-4272.	2.9	18
78	Tuning the N-bonded cerium(III) fraction/g-C <sub>3</sub> N <sub>4</sub> interface in hollow structures using an <i>in situ</i> reduction treatment for superior photochemical hydrogen evolution. <i>Catalysis Science and Technology</i> , 2019, 9, 5322-5332.	2.1	16
79	Continuous preparation of high performance flexible asymmetric supercapacitor with a very fast, low-cost, simple and scalable electrochemical co-deposition method. <i>Journal of Power Sources</i> , 2019, 437, 226827.	4.0	15
80	Preparation, Stabilization and Carbonization of a Novel Polyacrylonitrile-Based Carbon Fiber Precursor. <i>Polymers</i> , 2019, 11, 1150.	2.0	59
81	Sustainable self-floating lignocellulosic biomass-TiO <sub>2</sub> @Aerogel for outdoor solar photocatalytic Cr(VI) reduction. <i>Separation and Purification Technology</i> , 2019, 229, 115830.	3.9	36
82	Effects of dechlorination conditions on the developmental toxicity of a chlorinated saline primary sewage effluent: Excessive dechlorination is better than not enough. <i>Science of the Total Environment</i> , 2019, 692, 117-126.	3.9	27
83	Behaviour of metals in an urban river and the pollution of estuarine environment. <i>Water Research</i> , 2019, 164, 114911.	5.3	35
84	Microbial reduction of bromate: current status and prospects. <i>Biodegradation</i> , 2019, 30, 365-374.	1.5	8
85	Rethinking hydrocarbons build-up on urban roads: A perspective on volatilisation under global warming scenarios. <i>Environmental Pollution</i> , 2019, 252, 950-959.	3.7	3
86	Identification, Formation, and Predicted Toxicity of Halogenated DBPs Derived from Tannic Acid and Its Biodegradation Products. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13019-13030.	4.6	22
87	Tea Residue Boosts Dye Decolorization and Induces the Evolution of Bacterial Community. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	3
88	Boosting Cr(VI) detoxification and sequestration efficiency with carbon nanotube electrochemical filter functionalized with nanoscale polyaniline: Performance and mechanism. <i>Science of the Total Environment</i> , 2019, 695, 133926.	3.9	32
89	Factors influencing volatile hydrocarbon pollution in urban areas. <i>Emerging Contaminants</i> , 2019, 5, 288-296.	2.2	2
90	Enhancement of Ni/NiO/graphitized carbon and $\beta$ -Cyclodextrin/reduced graphene oxide for the electrochemical detection of norfloxacin in water sample. <i>Journal of Electroanalytical Chemistry</i> , 2019, 851, 113407.	1.9	18

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91	Enhanced photoelectrocatalytic breakdown of Cu-cyanide complexes and copper recovery using photoelectrogenerated free chlorine. <i>Electrochemistry Communications</i> , 2019, 100, 34-38.	2.3	11
92	Enhanced photoelectrocatalytic degradation of bisphenol A and simultaneous production of hydrogen peroxide in saline wastewater treatment. <i>Chemosphere</i> , 2019, 222, 141-148.	4.2	27
93	Durability and performance of loofah sponge as carrier for wastewater treatment with high ammonium. <i>Water Environment Research</i> , 2019, 91, 581-587.	1.3	13
94	Comparative toxicity of organic mixture attached to road deposited sediments: Inadequacy of conventionally using individual pollutants to assess comprehensive hazard effects. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 357-365.	2.9	4
95	Unravelling the mechanistic role of Ti O C bonding bridge at titania/lignocellulosic biomass interface for Cr(VI) photoreduction under visible light. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 409-417.	5.0	76
96	Toxic effects and metabolic fate of carbamazepine in diatom <i>Navicula</i> sp. as influenced by humic acid and nitrogen species. <i>Journal of Hazardous Materials</i> , 2019, 378, 120763.	6.5	16
97	Microbial characterization of heavy metal resistant bacterial strains isolated from an electroplating wastewater treatment plant. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 472-480.	2.9	49
98	Amphiphilic Graphene Aerogel with High Oil and Water Adsorption Capacity and High Contact Area for Interface Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22794-22800.	4.0	42
99	Unveiling the activating mechanism of tea residue for boosting the biological decolorization performance of refractory dye. <i>Chemosphere</i> , 2019, 233, 110-119.	4.2	12
100	Sustainable and easy recoverable magnetic TiO <sub>2</sub> -Lignocellulosic Biomass@Fe <sub>3</sub> O <sub>4</sub> for solar photocatalytic water remediation. <i>Journal of Cleaner Production</i> , 2019, 233, 841-847.	4.6	68
101	Leaf-like 2D nanosheet as efficient oxygen reduction reaction catalyst for Zn-air battery. <i>Journal of Power Sources</i> , 2019, 434, 226717.	4.0	30
102	Application of (LC/MS/MS precursor ion scan for evaluating the occurrence, formation and control of polar halogenated DBPs in disinfected waters: A review. <i>Water Research</i> , 2019, 158, 322-337.	5.3	157
103	Nutrients and metals interactions between water and sediment phases: An urban river case study. <i>Environmental Pollution</i> , 2019, 251, 354-362.	3.7	52
104	Fabrication of MnO <sub>2</sub> @carbonized cotton yarn derived hierarchical porous active carbon flexible supercapacitor electrodes for potential applications in cable-type devices. <i>Applied Surface Science</i> , 2019, 487, 180-188.	3.1	33
105	Recent advances on photocatalytic fuel cell for environmental applicationsâ€”The marriage of photocatalysis and fuel cells. <i>Science of the Total Environment</i> , 2019, 668, 966-978.	3.9	144
106	Morphology-controlled synthesis of hollow Si/C composites based on KI-assisted magnesiothermic reduction for high performance Li-ion batteries. <i>Applied Surface Science</i> , 2019, 481, 933-939.	3.1	30
107	Decomplexation removal of Ni(II)-citrate complexes through heterogeneous Fenton-like process using novel CuO-CeO <sub>2</sub> -CoO <sub>x</sub> composite nanocatalyst. <i>Journal of Hazardous Materials</i> , 2019, 374, 167-176.	6.5	46
108	Simultaneous achievement of refractory pollutant removal and energy production in the saline wastewater treatment. <i>Chemical Engineering Journal</i> , 2019, 369, 845-853.	6.6	11

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109	Surface modification of graphite by ion implantation for promoting the electrochemical property in Li-ion batteries. <i>Applied Surface Science</i> , 2019, 484, 726-731.	3.1	21
110	Carbonaceous biomass-titania composites with Ti O C bonding bridge for efficient photocatalytic reduction of Cr(VI) under narrow visible light. <i>Chemical Engineering Journal</i> , 2019, 366, 172-180.	6.6	113
111	Robust Linear Programming and Its Application to Water and Environmental Decision-Making under Uncertainty. <i>Sustainability</i> , 2019, 11, 33.	1.6	27
112	Recovery of Ni(II) from real electroplating wastewater using fixed-bed resin adsorption and subsequent electrodeposition. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	32
113	Simultaneous Cr(VI) removal and bisphenol A degradation in a solar-driven photocatalytic fuel cell with dopamine modified carbon felt cathode. <i>Applied Surface Science</i> , 2019, 471, 912-920.	3.1	18
114	Comprehensive Insights into the Interactions of Two Emerging Bromophenolic DBPs with Human Serum Albumin by Multispectroscopy and Molecular Docking. <i>ACS Omega</i> , 2019, 4, 563-572.	1.6	40
115	Gaseous bubble-assisted in-situ construction of worm-like porous g-C <sub>3</sub> N <sub>4</sub> with superior visible light photocatalytic performance. <i>Applied Catalysis A: General</i> , 2019, 573, 13-21.	2.2	24
116	Performance and microbial protein expression during anaerobic treatment of alkali-decrement wastewater using a strengthened circulation anaerobic reactor. <i>Bioresource Technology</i> , 2019, 273, 40-48.	4.8	3
117	Effective degradation of refractory nitrobenzene in water by the natural 4-hydroxycoumarin under solar illumination. <i>Chemosphere</i> , 2019, 215, 199-205.	4.2	10
118	Enhancement of municipal sludge dewaterability by electrochemical pretreatment. <i>Journal of Environmental Sciences</i> , 2019, 75, 98-104.	3.2	22
119	Hierarchically porous carbon derived from waste acrylic fibers for super-high capacity lithium ion battery anodes. <i>Chemical Engineering Journal</i> , 2018, 346, 143-150.	6.6	32
120	A simple approach to fabricate of Ni-NiCo <sub>2</sub> O <sub>4</sub> @ZnCo <sub>2</sub> O <sub>4</sub> yolk-shell nano-tetrahedron composite as high-performance anode material for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2018, 341, 601-609.	6.6	30
121	Coupling Mo <sub>2</sub> C@C core-shell nanocrystals on 3D graphene hybrid aerogel for high-performance lithium ion battery. <i>Applied Surface Science</i> , 2018, 441, 69-76.	3.1	25
122	Correlating microbial community structure with operational conditions in biological aerated filter reactor for efficient nitrogen removal of municipal wastewater. <i>Bioresource Technology</i> , 2018, 250, 374-381.	4.8	31
123	Causes and mechanisms on the toxicity of layered double hydroxide (LDH) to green algae <i>Scenedesmus quadricauda</i> . <i>Science of the Total Environment</i> , 2018, 635, 1004-1011.	3.9	30
124	Ultra-high-strength Ultrahigh Molecular Weight Polyethylene (UHMWPE)-Based Fiber Electrode for High Performance Flexible Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1707351.	7.8	44
125	MOF-derived nitrogen doped carbon modified g-C <sub>3</sub> N <sub>4</sub> heterostructure composite with enhanced photocatalytic activity for bisphenol A degradation with peroxy monosulfate under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 233, 35-45.	10.8	331
126	NiS <sub>2</sub> @CoS <sub>2</sub> nanocrystals encapsulated in N-doped carbon nanocubes for high performance lithium/sodium ion batteries. <i>Energy Storage Materials</i> , 2018, 11, 67-74.	9.5	346



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127	Synergistic effect of ball-milled Al micro-scale particles with vitamin B12 on the degradation of 2,2,4,4-tetrabromodiphenyl ether in liquid system. <i>Chemical Engineering Journal</i> , 2018, 333, 613-620.	6.6	20
128	Ultrahigh level nitrogen/sulfur co-doped carbon as high performance anode materials for lithium-ion batteries. <i>Carbon</i> , 2018, 126, 85-92.	5.4	99
129	Biodegradation of triclosan in diatom <i>Navicula</i> sp.: Kinetics, transformation products, toxicity evaluation and the effects of pH and potassium permanganate. <i>Journal of Hazardous Materials</i> , 2018, 344, 200-209.	6.5	32
130	Anaerobic biodegradation and decolorization of a refractory acid dye by a forward osmosis membrane bioreactor. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 272-280.	1.2	27
131	Biouptake, toxicity and biotransformation of triclosan in diatom <i>Cymbella</i> sp. and the influence of humic acid. <i>Environmental Pollution</i> , 2018, 234, 231-242.	3.7	57
132	Effective degradation of carbamazepine using a novel electro-peroxone process involving simultaneous electrochemical generation of ozone and hydrogen peroxide. <i>Electrochemistry Communications</i> , 2018, 86, 26-29.	2.3	27
133	A recyclable self-assembled composite catalyst consisting of Fe <sub>3</sub> O <sub>4</sub> -rose bengal-layered double hydroxides for highly efficient visible light photocatalysis in water. <i>Chemical Communications</i> , 2018, 54, 13587-13590.	2.2	29
134	A g-C <sub>3</sub> N <sub>4</sub> /MIL-101(Fe) heterostructure composite for highly efficient BPA degradation with persulfate under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23703-23711.	5.2	153
135	A Conductive and Highly Deformable All-Pseudocapacitive Composite Paper as Supercapacitor Electrode with Improved Areal and Volumetric Capacitance. <i>Small</i> , 2018, 14, e1803786.	5.2	158
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